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Sta.	Ground	Grade								
					Z.		C.		R	
+50	24.3	27.576	-13.9 42.9	-12.6 37.	-12.2 27.3	-11.8 18.0	-8.3 9.	-4.2	-0.3 9.	-0.3 9.4
363	24.3	27.580	-14.0 43.0	-12.1 37.	-12.0 27.0	-11.7 20.	-7.6 9.	-3.5	0.6 9.0	
+50	22.5	27.582	-13.9 42.9	-12.6 37.	12.1 27.2	-11.7 15.	-9.4 9.	-2.3	-1.4 9.	-0.8 10.2
362	23.1	27.587	-13.9 42.9	-12.3 36.	-12.0 27.	-11.6 15.	-9.1 9.	-4.8	0.0 9.0	
+50	16.5	27.590	-13.9 42.9	-12.1 29.	-11.9 26.9	-11.6 9.	-11.1	-7.0 9.	-3.8 14.7	
361	15.6	27.593	-14.0 43.0	-12.3 29.	-12.1 27.2	-12.4 9.	-11.4	-7.2 9.	-4.1 15.2	
+50	15.0	27.596	-13.9 42.9		-12.4 27.6	-12.7 9.	-12.5	-7.5 9.	-4.1 15.2	
360	16.1	27.60	-13.8 42.7	-12.3 27.4		-12.7 9.	-13.0 6.	-11.9	-7.2 9.	-4.2 15.3

22' R.R. on Left

Continued from Cross Section Book Sta 208 to Sta 360, page 48

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Sta.	Ground Grade		L.			C.	R.		
+50	22.7	27.556	-12.8 40.7	-12.5 27.8	-5.8 9.	-5.0	-3.5 3.5	-3.2 9.	-3.5 14.2
+24			-12.4 40.6	-9.1 22.6	-8.4 16.	-4.3 9.	-2.7	-2.3 9.	-2.2 12.3
366	25.8	27.560	-11.6 39.4	-11.7 26.6	-10.8 18.5	-5.2 9.	-2.5	-1.4 9.	-1.5 11.2
+70			-10.2 37.4	-10.4 24.6	-10.0 14.	-8.9 9.	-5.0	-0.5 9.	-0.4 9.6
+50	21.9	27.563	-10.1 37.2	-10.0 24.0	-10.6 14.5	-9.0 9.	-5.5	-1.9 9.	-1.5 11.2
+18			-13.7 42.6	-10.6 36.5	-10.9 25.4	-10.4 19.	-9.4 9.	-6.1	-3.1 9.	-2.1 12.2
365	23.5	27.567	-13.7 42.6	-10.7 36.	-11.5 26.2	-11.1 19.	-8.1 9.	-4.7	-3.0 9.	-2.6 12.9
+50	24.4	27.570	-13.4 42.1	-11.9 36.	-11.8 26.7	-11.5 20.	-6.9 9.	-4.0	-2.9 9.	-2.6 12.9
364	24.4	27.573	-13.8 42.7	-12.6 39.	-12.1 27.2	-11.8 19.5	-7.5 9.	-3.4	-1.3 9.	-1.2 10.8

Left

22' R.D. on

Pages 19 To 46 Used In
Final Estimate No 78-85-86-99-100

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No.	Ground	Grade	L.	C.	R.	
+50	15.9	27.530	-12.6 -12.1 40.9 27.2	-11.6		
~~BM. 16.131~~	on stump opp	370 + 50.				
370	15.5	27.533	-12.5 -11.9 40.8 26.9	-12.0		
+50	15.7	27.536	-13.1 -12.4 41.6 27.6	-11.8		
369	16.0	27.540	-13.0 -12.5 41.5 27.8	-11.5		
+50	16.4	27.543	13.0 -12.6 41.5 27.9	-11.1		
368	17.5	27.547	-12.6 -12.2 -12.4 52.4 40.3 27.6	-10.0		H.T. on Left
BM.	~~Top 16.656~~ (Destroyed)	Spike in pollar Tree 40' L. of 368+10				
+50	20.8	27.550	-13.7 -12.6 42.6 27.9	-6.8		H.T. on Left
367	21.5	27.553	-13.8 -12.6 45.2 27.9	-6.0		

Notes from 366+50 – 371 are made up from side notes owing to Dredger having worked there at High Water on April 1st 1906, before X Sections were taken.

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Sta.	Ground	Grade			To		C.		R.	
+50	18.6	27.503	-11.0 38.5	-11.0 25.5	-11.2 9.	-9.1 6.	-9.0	-3.9 9.	-2.2 12.3	
374	17.5	27.507	-12.0 40.0	-11.9 26.9	-11.2 9.	-10.5 2.	-10.0	-6.0 9.	-3.8 14.7	
+50	17.1	27.510	-12.6 40.9	-12.2 27.3	-11.6 9.	-11.4 3.	-10.4	-6.0 9.	-3.3 14.0	
373	16.2	27.513	-13.0 41.5	-12.3 27.4	-11.5 9.	-11.3		-7.7 9.	-4.0 15.0	
T.P.	16.680	on old peg 8' left of 373.								
+50	16.0	27.516	-13.0 41.5	-12.4 27.6	-11.7 9.	-11.5		-10.5 5.	-8.1 9.	-4.8 16.2
372	16.7	27.520	-13.0 41.5	-12.9 28.4	-11.6 9.	-10.8		-6.7 9.	-3.9 14.9	
+50	16.5	27.523	-13.0 41.5	-11.8 26.7	-11.4 9.	-11.0		-7.8 9.	-4.3 15.4	
			^ notes between Sta. 371 + 366+50 made up from Side notes							
371	16.4	27.527	-12.4 40.6	-12.0 27.0		-11.1				

Sta.	Ground	Grade	L		C		R		
+50	18.6	27.474	-13.0 40.0	-11.7 26.6	-10.5 9.	-8.9	-4.3 9.	-2.3 12.4	
378	17.8	27.480	-12.2 40.3	-11.9 26.9	-10.9 9.	-9.7	-6.8 9.	-4.1 15.2	-1.1 21.3 Levee
+50	18.5	27.482	-13.0 41.5	-12.6 27.9	-11.6 9.	-11.7 6.	-9.2	-4.8 9.	-2.8 12.2 Levee 0.0 18.2
377	18.41	27.487	-13.0 41.5	-12.9 28.4	-11.5 9.	-9.1	-4.2 9.	-2.1 12.2	Levee 0.0 18.0
+50	21.0	27.490	-12.3 40.4	-12.2 27.3	-11.5 13.0	-10.0 9.	-6.5	-2.6 9.	-1.3 11.0 Levee 0.0 16.0

BM. Elev: 17.659 on Oak Tree 40' L of Sta. 376.

376	19.9	27.493	-12.1 40.2	-12.1 27.2	-11.1 9.	-7.6	-3.2 9.	-1.9 11.9	Levee -0.2 14.0
+50	23.1	27.496	-11.7 39.6	-12.0 27.0	-11.2 15.	-9.1 9.	-5.0	-0.8 9.	-0.5 9.8
375	22.3	27.500	-11.0 38.5	-10.8 25.2	-10.4 12.	-9.4 9.	-5.5	-0.8 9.	-0.4 9.6

1383

Sta:	Ground Grade		L	C	R			
BM. Elev: 15.134. Nail in Base of Walnut Tree 140' L of 381.								
381	17.0	27.461	-11.5 39.2	-11.4 26.1	-10.9 9.	-10.5	-9.7 3.5	-6.6 9.	-3.6 14.4
+85			-11.5 39.2	-11.5 26.2	-10.6 9.	-9.6	-6.1 9	-3.7 14.6
								H.W. Sac to Rover 22.0
+70			-11.2 38.8	-11.2 25.8	-9.3 9.	-7.8	-5.8 9.	-3.6 14.4	H.W. Backwater 15.1

BM. 17.196. on R.R. Spike Cottonwood Stump Rt of 379+60 on Cs Road.

+50	17.49	27.464	-12.0 40.0	-11.9 26.9	-10.5 9.	-10.0	-6.8 9.	-5.1 16.6
+15			-9.8 36.7	-9.8 23.7	-9.1 9.	-8.2	-6.4 9.	-5.5 17.2
380	33.0	27.467						in Skimming Station
+82			-10.0 37.0	-10.0 24.0	-9.0 9.	-7.9	-6.9 9.	-5.8 17.7
+50	19.37	27.470	-12.0 40.0	-11.2 25.8	-9.5 9.	-8.1	-5.3 9.	-4.3 15.4
+35			-11.5 39.2	-11.2 25.8	-10.2 9.	-8.1	-3.9 9.	-2.3 12.4
379	19.4	27.473	-11.7 39.6	-11.4 26.1	-10.7 9.	-8.4	-3.9 9.	-2.4 12.6

Sidewalk left

1384

Sta.	Ground	Grade		L		C		R	
385	15.3	27.434		-12.3 27.4	-12.1 9.	-12.1	-8.8 9.	-5.1 16.6	
+50	15.6	27.437		-12.2 27.3	-12.1 9.	-12.1	-11.4 6.	-10.0 9.	-5.6 17.4
384	16.0	27.440	H.B. to Siding on Left	-12.3 27.4	-12.0 9.	-11.4	-10.8 6.	-9.6 9.	-5.7 16.8
+50	15.8	27.442		-12.3 27.4	-11.6 9.	-11.6	-11.3 5.	-9.0 9.	-4.5 15.8
383	16.1	27.447		-12.2 33.2	-12.1 27.2	-11.5 9.	-11.4	-10.8 4.5	-8.7 9.	-4.6 15.9
+50	16.2	27.450		-12.6 36.8	-12.5 27.8	-11.9 9.	-11.2	-11.0 6.	-9.3 9.	-4.4 15.6
382	16.3	27.454		-12.5 39.6	-12.4 27.6	-11.4 9.	-11.2	-10.5 4.	-7.8 9.	-4.0 15.0
+50	16.9	27.457		-11.5 39.2	-11.5 26.2	-11.0 9.	-10.6	-10.2 3.5	-7.0 9.	-3.7 14.6

999000-1

Sta:	Ground	Grade		Lo.		C.		R.	
+50	19.7	27.417		-9.6 23.4	-7.9 15.	-7.7 9.	-7.7	-7.2 9.	-5.6 17.4
BM. Elev: 17.385. on Oak Stump 40' To of 387+50									
387	20.7	27.420		-6.6 18.9	-6.7 9.	-6.7	-7.0 9.	-6.8 16.5	-6.1 18.2
+60				-7.1 19.6	-7.4 9.	-7.6	-7.3 9.	-6.8 19.2	
+50	18.4	27.422		-9.6 22.4	-9.5 9.	-9.0	-8.5 9.	-8.0 16.5	-7.2 19.8
+40				-11.4 26.1	-11.0 9.	-11.0	-10.4 9.	-6.7 19.0	
+30.2 EB.	15.5								
386	15.4	27.427		-12.2 27.3	-11.7 9.	-12.0	-11.4 9.	-10.9 11.5	-7.4 20.1
+75			-0.009	-11.8 26.7	-11.4 9.	-11.6	-8.5 9.	-6.6 12.5	-5.4 17.1
+60				-10.8 25.2	-9.1 9.	-6.4	-5.9 9.	-5.7 16.	-6.0 18.0
+50	20.1	27.430		-8.0 21.0	-7.7 9.	-7.3	-6.4 9.	-6.0 14.	-6.3 18.4
+28				-9.8 23.0	-9.1 9.	-7.5	-7.0 9.	-10.9 25.4	+40. Road to Ferry.
+15				-12.2 27.3	-10.7 9.	-9.7	-6.9 9.	-5.0 15.	-5.0 16.5

1386

Sta.	Ground	Grade		L.		C.		R.	
+50	15.5	27.397		-12.6 27.9	-12.4 9.	-11.6	-10.8 6.	-9.6 9.	-6.0 18.0
390	16.1	27.400		-12.7 28.0	-12.2 9.	-11.5	-10.8 4.	-8.6 9.	-5.7 17.6
+50	16.1	27.403		-12.3 27.4	-11.9 9.	-11.3	-10.7 4.	-8.7 9.	-5.5 17.2
+38				-11.7 26.6	-10.8 9.	-9.9	-7.6 9.	-5.4 17.1	
+30				-11.2 25.8	-11.2 9.	-11.5	-8.5 9.	-5.3 17.0	
389	16.0	27.407		-11.4 26.1	-11.4 9.	-11.4	-10.5 6.	-9.7 9.	-5.3 17.0
+50	16.0	27.410	-0.00666	-11.3 26.0	-11.3 9.	-11.4	-11.1 5.	-9.3 9.	-5.6 17.4
+20				-12.0 27.0	-11.7 9	-11.2	-10.5 4.	-8.2 9.	-5.3 17.0
+12									
388	17.8	27.414		-12.1 27.2	-11.9 9	-9.8	-7.6 9.	-5.8 17.7	
+75				-11.8 26.7	-10.8 9.	-9.6	-7.1 9.	-5.5 17.2	

1387

Sta.	Ground Grade		Z	C.	R.			
+50	16.1	27.370	-11.9 26.9	-11.4 9.	-11.4	-10.5 8.	-10.1 9.	-5.8 17.7
394	16.3	27.374	-11.9 26.9	-11.3 9.	-11.2	-10.7 7	-9.9 9.	-5.9 17.9
+50	16.0	27.374	-12.1 27.2	-11.4 9.	-11.3	-10.4 7.5	-9.6 9.	-5.4 17.1
393	16.1	27.380	-12.1 27.2	-11.6 9.	-11.5	-10.3 6.5	-9.5 9.	-5.5 17.2
+50	16.6	27.383	-11.9 26.9	-11.5 9.	-10.8	-9.9 6.	-8.7 9.	-5.3 17.
392	16.7	27.387	-11.9 26.9	-11.5 9.	-10.7	-10.3 2.	-8.3 9.	-5.5 17.2
+50	16.6	27.390	-12.1 27.2	-11.5 9.	-10.8	-8.3 9.	-5.4 17.1	
391	16.2	27.394	-12.4 27.6	-12.0 9.	-11.2	-9.4 9.	-5.8 17.7	

1.T. 20.500 April 25/06

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Sta.	Ground	Grade		Tu.		C.		R.		
+50	15.4	27.343		-12.1 27.2	-11.7 9.	-11.8	-10.5 9.	-5.6 17.4	-4.9 19.5	Lower
398	14.5	27.307		-12.3 27.4	-12.6 9.	-12.7	-11.7 4.	-9.3 9.	-5.4 17.1	
+50	15.3	27.350		-12.3 27.4	-11.7 9.	-11.9	-11.5 3.	-8.9 9.	-5.0 16.5	
397	15.6	27.354		-12.3 27.4	-11.6 9.	-11.7	-11.3 5.	-9.6 9.	-5.5 17.2	
+50	15.9	27.357		-12.2 27.3	-11.3 9.	-11.5	-11.3 4.	-9.4 9.	-5.3 17.0	
396	16.1	27.360	1.00666	-12.2 27.3	-11.3 9.	-11.3	-10.8 4.5	-9.1 9.	-5.2 16.8	
+50	15.9	27.363		-12.2 27.3	-11.5 9.	-11.5	-10.8 6.	-9.4 9.	-5.6 17.4	
395	16.1	27.367		-12.0 27.0	-11.3 9.	-11.2	-10.8 6.	-9.4 9.	-5.5 17.2	

Sta.	Ground	Grade		L.	C.	R.			
401	15.8	27.327		-12.1 27.2	-11.9 9.	-11.7	-11.0 9.	-11.0 10.	-6.8 19.2	Level -5.8 23.0
+50	16.3	27.330		-11.6 26.4	-11.2 9	-11.0	-10.1 9.	-6.1 18.2	-5.8 20.0	Level
+25				-10.9 25.4	-11.4 9.	-10.9	-9.4 9.	-9.0 11.	-6.3 18.4	-5.5 19. Level

~~BM. Elev. 17.607. on plug 35' L of 400. (Destroyed)~~

BM. Elev. 21.534. on plug 50' R. Sta. 400. 8.5 South of Water Tank Support

400	16.8	27.334		-9.6 23.4	-10.6 9.	-10.5	-9.4 9.	-5.9 17.4	-5.4 18.0	Level
+75			999.00	-11.7 26.6	-11.1 9.	-11.0	-9.6 9.	-6.1 18.2	-5.7 19.4	Level
+50	16.0	27.337		-11.7 26.6	-11.5 9.	-11.3	-10.7 9.	-6.3 18.4	-5.5 21.0	Level
399	16.1	27.340		-12.0 27.0	-11.6 9.	-11.4	-10.5 9.	-6.5 18.8	-5.3 21.8	Level

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Sta.	Ground	Grade	Z.	C.		R.		
+50	14.4	27.323	-12.7 28.0	-12.8 9.	-12.9	-12.7 9		-5.8 17.7
404	14.4	27.307	-12.7 28.0	-12.8 9.	-12.9	-12.8 9.		-5.5 17.2
+50	14.0	27.310	-13.0 28.5	-13.1 9.	-13.3	-13.0 9.		-5.4 17.1
403	14.1	27.314	-12.9 28.4	-13.0 9.	-13.2	-13.0 7	-12.0 9.	-5.5 17.2
+50	14.8	27.317	-12.7 28.0	-12.6 9	-12.5	-12.0 7	-11.0 9	-5.1 16.6

BM. 18.222. on Spike in Walnut Stump 30' L of 401+90.

402	19.5	27.320	-12.9 28.4	-11.2 9.	-7.8	-7.0 1.	-6.0 9.	-5.2 16.8

401+67. 16' at Right Angles Left = Center Co. Road Xing

Note. from 402-405 Notes made up from Side Notes owing to Dredger having already worked there, at time of High Water April 1st 1906.

401 +50	16.2	27.323	-11.0 25.5	-10.8 9.	-11.1	-10.4 9.	-6.8 19.2	Levee -5.0 22.5

St.	Ground	Prop.		L.		C.		R.		
+50	14.9	27.277		-12.3 24.4	-12.2 9.	-12.4	-12.2 9.	-11.5 18.	-8.7 22.0	Level -5.1 29.0
408	14.8	27.280		-12.6 27.9	-12.4 9.	-12.5	-12.4 9.	-11.6 15.5	-8.1 21.2	Level -5.2 26.5
+87.6 BC	12.970	Int.								
+50	14.5	27.283		-13.0 28.5	-13.0 9.	-12.8	-12.4 9.	-11.7 15.5	-8.0 21.0	Level -5.6 25.5
407	15.5	27.287		-12.3 27.4	-12.0 9.	-11.8	-10.8 9.	-10.4 11.5	-7.1 19.6	Level -5.3 23.8
+50	15.3	27.290		-12.8 28.2	-12.4 9.	-12.0	-11.5 9.	-10.5 13.	-6.7 19.0	Level -5.1 22.5
406	15.1	27.294	0.0	-12.4 27.6	-12.4 9.	-12.2	-11.3 9.	-10.8 11.0	-6.4 18.6	Level -5.1 21.3
+50	15.2	27.297		-12.4 27.6	-12.2 9.	-12.1	-12.1 9	-11.7 10.5	-6.4 18.6	Level -5.1 24.0
		from 405 - 402 Notes make up from Side Notes.								
405	14.7	27.300		-12.8 28.2	-12.7 9.	-12.6	-12.4 9	-5.7 16.8		

Sta:	Ground Grade			L.	C.	R.			
+50	18.8	27.287	1	-9.8 23.7	-8.9 9.	-8.7	-7.8 9.	-5.5 17.2	
+24				-9.9 23.9	-9.4 9.	-8.8	-8.1 9.	-6.0 18.0	Levee -5.4 22.0
+12				-12.5 27.8	-11.9 9.	-12.0	-8.7 9.	-6.2 18.3	Levee. -5.2 22.0
411	14.4	27.260		-12.4 27.6	-12.4 9.	-12.6	-12.4 9.	-6.9 19.4	Levee -5.3 22.1
+50	14.3	27.264		-12.7 28.0	-12.6 9.	-13.0	-12.5 9.	-12.4 16.	-8.1 21.2 Levee -4.8 27.4
410	14.5	27.267		-12.8 28.2	-12.8 9.	-12.8	-12.7 9.	-12.2 17.5	-8.7 22.0 Levee -5.0 28.0
+50	14.3	27.270		-13.1 28.6	-13.1 9.	-13.0	-12.8 9.	-12.2 18.	-8.9 22.4 Levee -5.1 29.0
409	15.1	27.274		-12.3 27.4	-12.2 9.	-12.2	-12.0 9.	-11.7 17.5	-8.7 22.0 Levee -5.2 28.0

999000

Sta.	Ground Grade		Tr.	C.				
								+9.5 Farm Xing.
+65			-9.8 23.0	-7.6 9.	-6.6	-5.4 9.	-4.6 15.9	
+50	18.5	27.287	-13.1 28.6	-11.4 9.	-8.7	-5.2 9.	-4.5 15.8	
+40			-12.6 27.9	-12.3 9.	-12.1	-6.3 9.	-4.7 13.	-4.4 15.6
414	16.4	27.270	-11.6 26.4	-11.3 9.	-10.8	-6.4 9.	-4.1 13.	-4.1 15.2
+50	16.1	27.244	-12.7 27.3	-12.2 9.	-11.3	-5.8 9.	-4.2 15.3	
413	14.2	27.247	-13.1 28.6	-12.7 9.	-13.0	-7.5 9.	-5.4 14.	-5.1 16.6
+50	14.0	27.251	-13.1 28.6	-13.2 9.	-13.2	-7.5 9.	-5.6 14.	-5.4 17.1
+29			-12.7 28.0	-12.4 9.	-12.5	-8.1 9.	-6.1 13.	-5.3 17.0
+17			-9.1 22.6	-8.5 9.	-8.4	-7.6 9.	-6.7 11.7	-5.5 17.2
BM. Elev. 17.295. on plug in fence 120' Lt of 412+17.								
412.	18.6	27.254	-8.9 22.4	-8.8 9.	-7.6	-8.2 9.	-7.3 9.	-5.9 15. -5.6 17.4

Sta:	Ground	Grade		Tu.	C.	R.		
418	15.3	27.214		-13.0 28.5	-12.7 9.	-11.9	-8.1 9.	-4.4 15.6	Levee -3.3 17.6
+50	15.3	27.217		-13.0 28.5	-12.8 9.	-12.2	-8.4 9.	-4.7 16.0	Levee -3.4 18.5
417	15.4	27.220		-13.1 28.6	-12.8 9.	-12.0	-8.6 9.	-4.9 16.4	Levee -3.9 18.4
on Rock	-3.93								
+67.6 C.C.	15.0								
+50		27.224		-13.0 28.5	-12.6 9.	-11.4	-7.4 9	-3.9 14.9	Levee -3.3 16.4
	add for Ditch	at 416+23.	2.0 x 2.5 x 22.0						
416	15.9	27.227	999.00	-13.2 28.8	-12.3 9.	-11.3	-7.7 9.	-4.3 15.4	Levee -3.1 17.4
+50	18.5	27.231		-12.6 27.9	-12.2 9.	-10.4	-7.1 9.	-4.3 15.4	Levee -3.7 16.4
+36				-10.2 24.3	-9.5 9.	-8.3	-5.8 9.	-4.1 15.2	* Note. From Sta 415+50 to Sta 433+50 extra Space on Right to be filled to top of Levee.
415	19.4	27.234		-10.5 24.8	-9.3 9.	-7.8	-4.8 9.	-4.3 15.4	

~~BM. Elev. 17.954 on Water Table S.W. Cor. of Hack's Dwelling 70' To 415+25~~ (Destroyed)

Sta.	Ground Grade		L.	C.	R			
422	14.98	27.187	-12.3 27.4	-12.2 9.	-12.2	-9.2 9.	-5.5 17.2	Levee -4.4 19.7
+50	15.5	27.191	-12.3 27.4	-12.0 9.	-11.7	-11.5 5.	-9.3 9.	-5.4 17.1	Levee -4.1 20.1
421	15.0	27.194	-12.5 27.8	-12.2 9.	-12.2	-11.2 5.	-9.2 9.	-5.6 17.4	Levee -4.1 20.4
+50	15.0	27.197	-12.4 27.6	-12.2 9.	-12.2	-11.8 4.	-9.4 9.	-5.1 16.6	Levee -3.7 19.6
420	15.4	27.200	-12.2 27.3	-12.0 9.	-12.0	-11.5 2.	-9.0 9.	-5.0 16.5	Levee -3.5 19.5
+50	14.9	27.204	-12.9 28.4	-12.4 9.	-12.3	-12.0 4.	-8.8 9.	-4.7 16.0	Levee -3.0 19.0
419	15.0	27.207	-12.8 28.2	-12.5 9.	-12.2	-7.6 9.	-4.0 15.0	Levee -2.7 18.0
+50	15.0	27.211	-12.8 28.2	-12.4 9.	-11.7	-7.8 9.	-4.2 15.3	Levee -3.3 17.3

1396

Sta.	Ground	Grade							
			Lo.		C.		Rp.		
+50	15.8	27.164	-11.8 26.7	-11.8 9.	-11.4	-10.9 6.	-10.4 9.	-6.3 18.4	Levee -3.8 24.4
425	15.3	27.167	-12.3 27.4	-12.5 9.	-11.9	-11.7 7	-11.4 9.	-5.9 17.9	Levee -4.2 24.9
+50	15.2	27.171	-12.6 27.9	-12.5 9.	-12.0	-11.8 9.	-7.1 19.6		Levee -4.5 25.6
424	15.2	27.174	-12.6 27.9	-12.9 9.	-12.0	-11.4 9	-6.8 19.2		Levee -4.2 24.2
+50	15.0	27.177	-12.7 28.0	-12.6 9.	-12.2	-11.5 8.	-11.3 9.	-6.5 18.8	Levee -4.6 24.3
423	15.2	27.180	-12.6 27.9	-12.6 9.	-12.0	-11.5 9.	-11.4 10.	-6.6 18.9	Levee -4.8 22.0
422 +50	15.3	27.184	-12.6 27.9	-12.5 9.	-11.9	-11.8 6.	-10.5 9.	-6.0 18.0	Levee -4.6 20.5
+30			-12.0 27.0	-12.5 9.	-12.0	-11.7 2.	-9.4 9.	-5.7 17.6	Levee -4.7 21.0

add for Ditch at 422+17. 5.0 × 2.0 × 32.0

1397

Sta.	Ground	Grade		L	C.		R.		37.
+80				-10.8 25.2	-9.6 9.	-8.8	-8.8 9.	-8.3 15.	-6.5 18.8	Levee -4.3 25.0
+50.9 EC	18.22 on this									
+30	18.8	27.144		-8.7 22.0	-8.3 9.	-8.3	-7.9 9.	-7.6 11.	-5.9 17.9	Levee -4.1 22.9
428	18.3	27.147		-9.9 23.9	-10.7 17.	-9.6 9.	-9.0	-8.5 9.	-8.3 12.	-6.0 18.0	Levee -4.5 24.0
+30	18.5	27.151		-9.1 22.6	-8.8 9.	-8.6	-8.2 9.	-5.8 17.7		Levee -4.3 23.7
427	18.8	27.154	326 50.0 1	-9.4 23.1	-8.5 18.	-8.8 9.	-8.6	-8.1 9.	-5.6 17.4	Levee -4.5 22.4
+50	18.4	27.157		-9.2 22.8	-9.2 9.	-9.1	-8.1 9.	-5.6 17.4		Levee -4.3 22.4
+40 △	18.25									
+25				-10.4 24.6	-10.1 9.	-9.7	-10.2 9.	-9.8 12.	-6.2 18.3	Levee -5.2 19.2

BM Elev. 18.248. on plug at N.W. Cor. of Brick of house 426+41

~~BM. Elev. 19.401 on plug 50' Rt. Sta. 426+40~~ (Destroyed)

426	14.4	27.160		-11.3 26.0	-11.8 9.	-12.7	-12.8 9.	-9.8 9	-5.6 17.4	Levee -4.7 20.4

Sta.	Ground Grade			Z.	C.	R			
+50	14.8	27.124		-12.3 27.4	-12.4 9.	-12.3	-12.0 9.	-12.1 11.	-7.6 20.4	Zero -4.5 27.4
431	14.7	27.137		-12.2 27.3	-12.3 9.	-12.4	-12.1 9.	-12.1 11.0	-8.0 21.0	Zero -4.5 27.0
+50	14.9	27.131		-12.3 27.4	-12.4 9.	-12.2	-11.7 9.	-7.3 20.0	Zero -4.1 27.1
430	14.7	27.134		-12.5 27.8	-12.5 9.	-12.4	-12.3 9.	-12.2 12.	-7.6 20.4	Zero -4.0 27.4
+50	14.9	27.137	-0.00666	-12.6 27.9	-12.5 9.	-12.2	-12.1 9	-12.0 11.0	-7.6 20.4	Zero -4.2 26.4
429	15.3	27.140		-12.4 27.6	-11.9 9.	-11.8	-10.1 9.	-6.4 18.6	Zero -4.0 25.6

Sta.	Ground Grade	To.	C.	K.					
434	15.2	27.107		-12.0 27.0	-12.0 9.	-11.9	-11.8 8.	-10.5 9.	-6.6 18.9
+50	15.5	27.111		-11.7 26.6	-11.8 9.	-11.6	-11.6 9.	-6.7 19.0	Zero -4.0 22.0
433	15.1	27.114		-12.3 27.4	-12.1 9.	-12.0	-12.0 9	-12.0 10.	-6.4 18.6
+75				-11.0 25.5	-12.7 9.	-12.7	-12.1 9.		-6.7 19.0
+69				-11.0 25.5	-9.4 9.	-8.4	-7.8 9.	-6.0 18.0	Zero -4.8 26.0
+67.2	18.8								
+58				-11.4 26.1	-9.4 9.	-8.4	-7.3 9.	-6.3 18.4	432 + 65 R.R. Xing Drain Pipe -4.9 Zero 27.0
+50	16.2	27.117	229000	-12.1 27.2	-12.1 9.	-10.9	-7.8 9.	-5.9 17.9	Zero -4.8 27.9
+30				-12.6 27.9	-12.3 9.	-12.2	-10.9 9.	-7.6 20.4	Zero -5.2 25.0
432	15.1	27.120		-12.0 27.0	-12.0 9.	-12.2	-11.6 9.	-11.6 12.	-8.0 21.0	Zero -5.0 28.0

Sta.	Ground	Grade		Ex.	C. & R.				
+ 50	14.8	27.084		-12.6 27.9	-12.6 9.	-12.5	-12.2 5.	-9.5 9.	-5.8 17.7
437	14.9	27.087		-12.5 27.8	-12.5 9.	-12.5	-9.3 9.	-6.1 18.2	
+ 50	14.7	27.091		-12.7 28.0	-12.7 9.	-12.7	-12.4 2.	-9.1 9.	-5.9 17.9
436	14.7	27.094		-12.8 28.2	-13.1 9.	-12.7	-12.5 3.	-9.7 9.	-5.9 17.9
+ 50	14.4	27.098		-13.0 28.5	-13.0 9.	-12.8	-12.4 4.	-9.6 9.	-6.0 18.0
435	14.7	27.101	229000 -	-12.6 27.9	-12.8 9.	-12.7	-12.0 5.	-9.7 9.	-6.2 18.3
434 + 50	14.7	27.104		-12.7 28.0	-12.8 9.	-12.8	-12.2 4.	-9.9 9.	-5.9 17.9

Sta.	Ground	Grade		Tr.		Cl.		R.	
441	12.3	27.061		-14.0 30.0	-14.3 16.	-18.5 9.	-14.8	-9.1 9.	-5.4 17.1
BM Elev: 14.253 on plug 90' Rt. Sta. 441 + 50									
+80				-14.0 30.0	-13.6 9.	-13.9		-8.9 9.	-5.1 16.6
+50	13.47	27.064		-12.9 29.9	-13.7 9.	-13.6		-9.5 9.	-5.5 17.2
440	14.1	27.067		-13.4 29.1	-13.1 9.	-12.0	-12.4 5	-10.2 9.	-5.8 17.7
+50	14.7	27.071		-13.2 28.8	-13.0 9.	-12.4	-12.2 3	-9.3 9.	-5.7 17.6
439	14.3	27.074	299.00.0	-12.6 27.9	-12.9 9.	-12.7	-12.4 6.	-10.0 9.	-5.9 17.9
+50	14.4	27.078		-12.8 28.2	-13.2 9.	-12.7	-12.4 4.	-9.6 9.	-5.5 17.2
438	14.6	27.081		-12.9 28.4	-12.8 9.	-12.5	-12.3 4.	-9.7 9.	-5.7 17.6

Sta.	Ground	Grade		L.		C.		R.	
445.	14.0	27.034		-12.7 28.0	-12.9 9.	-13.0	-12.7 9.	-8.5 9.	-5.4 17.1
+50	14.1	27.038		-12.8 28.2	-13.0 9.	-12.9	-7.6 9.	-5.0 16.5	
444.	14.1	27.041		-12.6 27.9	-12.9 9.	-12.9	-8.1 9.	-4.8 16.2	
+50	14.0	27.044		-12.8 28.2	-13.0 9.	-13.0	-8.3 9.	-4.[illegible] 16.[illegible]	
443	15.2	27.047	-13.2 70.	-13.2 50	-12.9 28.4	-12.4 9.	-11.9	-7.7 9.	-5.[illegible] 16.5
+88	-13.0 90	-13.3 74	-18.9 70.	-25.9 60.	-25.1 40.	-22.0 20.0.	-13.7 15.6	-12.8 9.	-11.7 -7.2 9.	-5.0 16.5
+50	12.2	27.051	-13.4 84.	-19.0 83.	-21.6 80.	-25.8 70.	-30.0 60.	-31.2 40.	-25.3 20.	-21.2 9.	-15.5 -9.4 9.	-5.1 16.6
	-13.8 120.	14.7 108.	-13.1 90.									
442	12.8	27.054										
	-14.1 110.0	S.W. -14.2 108.	-15.6 100.	-23.7 95.	-25.7 90.	-27.9 80.	-31.4 60.	-31.1 40.	-27.3 20.	-20.0 9.	-14.4 -10.1 9.	-5.3 17.0
+75		on 13 on 95.0	-13.8	-20.4 90.	-23.9 70	-23.1 50.	-25.0 30	-25.0 20.	-19.7 9.	-14.2 -9.2 9.	-4.8 16.2	
+50	12.6	27.058	-14.1 40.0	-14.3 38.	-18.6 30.	-22.9 20.	-19.5 9.	-14.6 -9.0 9.	-5.4 17.1	

Road on Tept
to be filled
S.W. - 14.3 Oct. 14/02

Pages 42 to 43 Used In
Final Est. Item No 94.
1403

Sta.	Ground Grade		L.	C.	R.				
+50	14.8	27.018		-12.1 27.2	-12.0 9.	-12.2	-12.1 5.	-10.1 9.	-6.3 18.4
+40				-11.8 26.7	-10.4 9.	-9.4	-7.4 9	-5.2 16.8	
+39	Form x mg.								
+26.2	15.74			-11.8 26.7	-10.0 9.	-8.7	-6.7 9.	-5.0 16.5	
+15.				-12.7 28.0	-12.2 9.	-12.1	-7.4 9.	-5.0 16.5	
447	14.3	27.021		-12.8 28.2	-12.5 9.	-12.7	-12.3 4.	-8.9 9.	-5.2 16.8
BM. Elev: 16.7327 on stump of Walnut 60' R of 447.									
+85				-13.0 28.5	-12.9 24.	-18.0 21.	-19.9 9.	-14.4	-8.9 9.	-5.3 17.0

+79	Bank -14.2 69.5	-18.9 69.	-18.8 60.	-23.8 50.	-22.6 44.4	-22.8 36.	-19.2 25	-20.1 17.	-19.4 9	-14.4	-9.3 9.	-5.6 17.4	Pond on
+50	14.2		27.024		-26.6 60.	-26.0 48.0	-22.7 22.	-18.1 9.	-12.1	-8.3 9.	-4.7 16.0		Test to be
on Bank	-13.4 113.0	-22.4 110.	-26.1 100.	-27.7 90.	-27.7 80.								filled.
+30.													
on Bank	-15.2 120.	-22.7 116.	-24.5 100.	-22.9 90.	-21.2 70.	-21.2 50.	-20.5 39.8	-16.3 9.	-15.4 5.	-12.6	-7.4 9.	-4.3 15.4	
+18													
on Bank	-15.6 122.0	-20.2 120.	-22.6 110.	-19.8 90.	-18.4 70.	-16.9 50.	-16.3 33.4	-15.9 9	-15.5 5	-12.6	-7.3 9.	-4.4 15.6	
446		13.9		27.027		SW. -16.2 80.	-15.5 32.2	-15.6 9.	-15.4 4.	-13.3	-8.3 9.	-4.6 15.9	
on Bank	-16.1 124.0	-17.4 130.	-22.5 120.	-21.3 110.	-17.0 90.								
+68	on Bank -15.8 134.0	-17.2 130.	-17.6 120.	-17.7 110.	SW -16.2 96.0	-15.0 31.5	-13.3 9.	-13.8	-8.4 9.	-5.0 16.5			
+50	13.9		27.031		SW Bar -16.2 90.	-13.2 40.	-13.0 28.5	-13.2 9.	-13.1	-8.4 9.	-5.2 16.8		
			-15.2 130.										

-16.2 x. SWM. Test Pit 7/19/02

Sta: Ground Grade — Ze. — O. — R.

BM. El. ~~14.463~~ 15.337 new datum on plug 75' R of 457+65. 2' South of fence.

BM. El. 16.882 on U.S.G.S. BM. 50' R' of 457+60

H.W. Bed Water Mar. 1909. El. 19.0

H.W. in River El. 21.5

Sta	Ground	Grade	Ze.	O.	R.			
450	13.5	27.000	-13.8 29.7	-13.5 9.	-13.5	-13.4 9.	-13.0 28.5	
+50	13.9	27.004	-13.8 29.7	-13.2 9.	-13.1	-13.1 9.	-12.8 28.2	
+25			-14.2 30.3	-12.9 9.	-12.7	-12.8 9.	-10.4 24.6	
449	13.4	27.007	-14.1 30.2	-13.7 9	-13.6	-13.4 9.	-13.2 23.	-11.5 26.2
+50	13.4	27.011	-13.7 29.6	-13.6 9.	-13.6	-13.4 9.	-13.2 15.	-9.4 23.1
448	14.6	27.014	-12.4 27.6	-12.4 9.	-12.4	-12.5 9.	-12.3 13.	-8.1 21.2

0.00666

Sta.	Ground	Grade		L.	C.	R.	
455	13^{3}	26^{942}		-13^{8} / 29^{7}	-13^{6} / 9	-13^{6}	-13^{6} / 9	-13^{4} / 29^{1}
+50	14^{2}	26^{948}		-13^{3} / 29^{2}	-12^{7} / 9	-12^{7}	-12^{9} / 9	-13^{2} / 28^{8}
454	13^{6}	26^{954}		-13^{8} / 29^{7}	-13^{4} / 9	-13^{4}	-13^{4} / 9	-13^{0} / 28^{5}
+50	13^{4}	26^{958}		-13^{5} / 29^{3}	-13^{6} / 9	-13^{6}	-13^{6} / 9	-12^{8} / 28^{2}
453	14^{1}	26^{964}		-13^{1} / 28^{7}	-12^{9} / 9	-12^{9}	-12^{9} / 9	-12^{6} / 27^{9}
+50	14^{1}	26^{970}		-13^{4} / 29^{1}	-12^{9} / 9	-12^{9}	-12^{9} / 9	-13^{0} / 28^{5}
452	14^{7}	26^{976}		-12^{5} / 27^{8}	-12^{3} / 9	-12^{3}	-12^{3} / 9	-12^{4} / 27^{5}
+50	15^{1}	26^{982}		-12^{4} / 27^{6}	-11^{9} / 9	-11^{9}	-11^{9} / 9	-12^{2} / 27^{3}
451	14^{1}	26^{988}		-13^{0} / 28^{5}	-12^{9} / 9	-12^{9}	-12^{9} / 9	-12^{4} / 27^{6}
450 + 50	13^{6}	26^{994}		-13.9 / 29.9	-13.4 / 9	-13.4	-13.4 / 9	-12.9 / 28.4

-0019047

1406

Continued on page 55, this book

+50	13^{7}	26^{910}	-13^{0} / 28^{5}	-13^{2} / 9	-13^{2}	-13^{2} / 9	-13^{2} / 28^{8}
457	13^{7}	26^{916}	-13^{7} / 28^{1}	-13^{2} / 9	-13^{2}	-13^{2} / 9	-13^{2} / 28^{8}
+50	13^{4}	26^{922}	-13^{4} / 29^{1}	-13^{5} / 9	-13^{5}	-13^{5} / 9	-13^{0} / 28^{5}
456	13^{2}	26^{928}	-14^{0} / 30^{0}	-13^{7} / 9	-13^{7}	-13^{2} / 9	-13^{5} / 29^{3}
455+50	13^{6}	26^{936}	-13^{9} / 29^{9}	-13^{3} / 9	-13^{3}	-13^{3} / 9	-13^{0} / 28^{5}

-0011 9047

V. Sections on House Track
Freeport.

368

- 13.6.

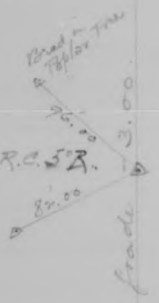
1408

St. 2.		Z.	C.
375 + 50		-2.5 12.8	-2.0
375		-0.9 10.4	-1.1
+ 50		-0.7 10.0	-0.6
374		-2.3 12.5	-2.2
+ 50		-2.7 13.0	-2.7
373		-2.8 13.2	-2.9
+ 50		-2.8 13.2	-2.9
372		-3.1 13.6	-3.7
+ 79.8	Foot of grade		
371 + 50		-4.0 15.0	-2.7
371		-5.3 17.0	-2.5
+ 50		-6.9 19.4	-2.8
370 + 47	P.R.O. 30 L. H.T.		
370.			
+ 50		-10.0 24.0	
369		-11.9 26.9	
368 + 50		-14.0 31.0	
368 + 45.	Beg of Inclines		

Broad Poplar Tree
45.00
37.00
Broad Poplar Tree

X See House Track Report

		L.	C.	R.
379 + 26.	Top of grade	-12.1 27.2		
379		-11.3 26.0		
+ 50		-10.1 24.2		-6.7
378		-8.8 22.2		-7.7
+ 50		-8.1 21.2		-7.9
+ 24. P.R.C. 5R.				
377		-6.1 18.2		-6.1
+ 50		-4.4 15.6		-3.7
376		-2.4 12.6		-2.2
375 + 92.7.	Toot of grade			



S/3. Grade Xing at Meyers. S/3. 401 + 30. 51.

Grade

Road 16' Wide
Grade 8.00 per 100

Pages 5/~~To~~ Used In
Final Estimate Item No 88.

1 + 85				8.0 8.0	0.0	0.0 8.0
+ 50	17.00			-2.4 11.6	-2.5	-2.7 11.3
+ 25	19.00			-4.0 14.0	-4.3	-3.7 13.6
1 + 00	21.00			-5.3 16.0	-6.4 6.5	-6.3	-5.7 16.6
0 + 75	23.00			-7.5 19.2	-8.1	-8.0 20.0
0 + 50	25.00		-7.8 19.7	-9.6 14.	-7.8 6.	-7.1	-8.7 21.0
0 + 25	27.00			-4.2 14.3	-4.9	-7.7 5.5	-9.5 22.2
0 + 02.5				-1.7 10.6	-1.7	-1.7 10.6
0 + 00	29.00			5.0 8.0	0.0	0.0 8.0
401 + 30	9' out					

Sta. Spur Track at Freeport. April 30/09. 53.

		S.G. 10 out	C.				
378		S.G. 14.2	23.4	21.9 13.5	20.3 29.	19.7 38.	S.W. 15.1 30.
	+ 50	S.G. 13.	23.4	22.1 9.	21.5 14.	19.2 40.	S.W. 15.1 47.
377		S.G. 12.	25.0	23.6 9.	22.9 23.	18.8 45	S.W. 15.1 47.
	+ 50	S.G. 11.2	26.4	26.0 6.	24.9 14.	21.9 20.	19.7 37. S.W. 15.1 30.5
376		S.G. 10.5	25.2	23.6 10.	21.1 16.	19.2 28.	S.W. 15.1 34.
375 + 80	EC. 3°01'½						
	+ 50	S.G. 9.4	26.1	25.7 5.	20.7 13	15.1 24.	S.W.
	6°03' 121.0						
375	T.C. 1°01'½	S.G. 6.2.	26.8	26.5 6.	25.5 10.	21.0 19.5	S.W. 15.1 30.
374 + 59	BC 5° Left.						
	+ 50	S.G. 1.0	27.0	26.7 5.	24.5 17.	21.4 24.	
374			28.0	27.2 10.			
373 + 80	Δ 4.71 R' 544' R'		27.7	27.3 10.			

Abandoned

Abandoned

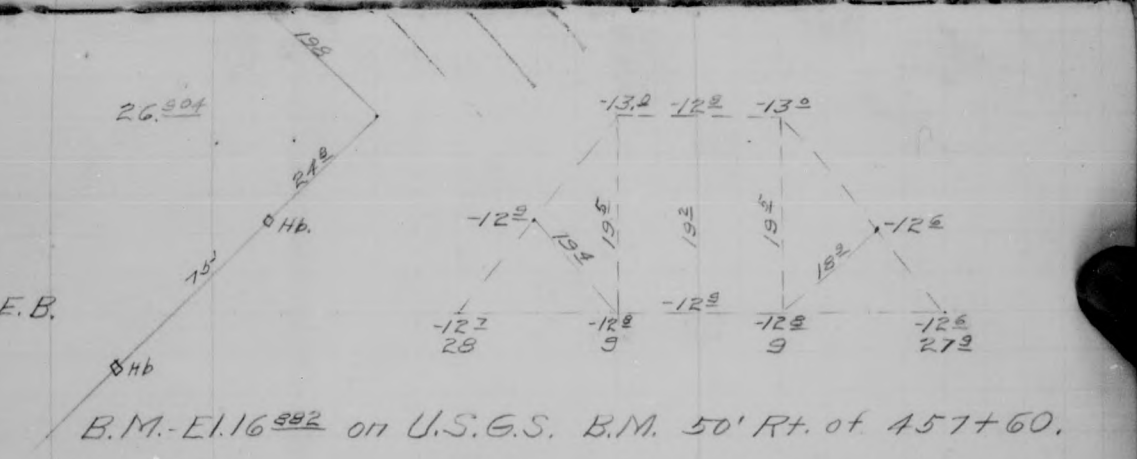
S½:

Spur Track at Freeport

							S 75
379	3.9	22.4	21.7	19.7	17.5	15.1	
	18.		9.	24	30.	45.	
							S 75
S. 378 + 50	2.9	23.7	23.2	22.2	19.7	15.1	
	16.5		9.	24.	38.	49.	

Measured

Final Estimate Item No. 1
Page 55 - Crushed



B.M.-El. 16.882 on U.S.G.S. B.M. 50' Rt. of 457+60.

"E" LINE B.M. 120' Rt. 457+30 Elev. 15.331 By large tree near House.

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Continued from page 46, this book.

74' opening.

462			-15.0 / 31.5	-14.6 / 9	-15.2	-14.8 / 9	-13.7 / 13	-14.5 / 30.8
+50	12.6	26.863	-15.1 / 31.7	-14.2 / 9	-14.3	-15.2 / 9	-15.0 / 31.5
461	12.2	26.869	-15.2 / 31.8	-15.8 / 9	-14.9	-15.2 / 9	-14.7 / 31.1
+50	12.2	26.875	-15.0 / 31.5	-15.1 / 9	-14.7	-15.0 / 9	-15.5 / 32.2
460	12.2	26.881	-14.5 / 30.7	-14.1 / 9	-14.2	-14.2 / 9	-14.2 / 30
459+50	13.8	26.887	-13.5 / 28.8	-13.1 / 9	-13.1	-12.9 / 9	-12.9 / 29.1

— 0.019047

	Elev.	Grade	Lt		℄		Rt	
+50	9.1	26.804	-18.3 / 36.5	-17.7 / 9	-17.7	-17.7 / 9	-17.5 / 13	-17.2 / 34.8
×466 E.B.	9.5	26.810	-17.8 / 35.1	-17.8 / 9	-17.3	-17.2 / 9	-17.3 / 35.8	
			-16.6	24.3		25.8	-17.7	
				-16.8	-16.6	-16.8		
				-15.7	-15.8	-16.1		
			-16.1	24.5	23.5	23.7	24.2	24.0	-16.0
			-15.4 / 32.1	-15.9 / 9	-15.7	-16.0 / 9	-15.2 / 31.8	
+26 E.B.	10.5	26.822						
465	10.5	26.822	-15.4 / 32.1	-15.9 / 9	-16.3	-16.0 / 9	-15.7 / 32.6	
+50	11.1	26.827	-16.0 / 33.2	-15.7 / 9	-15.7	-15.5 / 9	-15.9 / 32.1	
464	11.1	26.833	-15.6 / 32.1	-15.6 / 9	-15.7	-15.7 / 9	-15.5 / 32.3	
+50	11.1	26.839	-15.7 / 32.6	-15.6 / 9	-15.7	-15.4 / 9	-15.3 / 32	
463	11.6	26.845	-14.9 / 31.3	-14.3 / 9	-15.3	-15.0 / 9	-15.0 / 31.5	

0119047

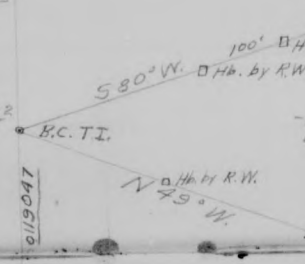
1141

"E"	Elev.	Grade		Lt.		℄		Rt.	
+50	5^{5}	26^{744}		-21^{3} / 41^{1}	-21^{2} / 9	-21^{2}	-21^{2} / 9	-21^{1} / 40^{7}	
471	5^{7}	26^{750}		-21^{1} / 40^{7}	-21^{1} / 9	-21^{1}	-21^{0} / 9	-21^{1} / 40^{7}	
+50	5^{7}	26^{756}		-21^{3} / 40^{8}	-21^{1} / 9	-21^{1}	-21^{0} / 9	-21^{1} / 40^{7}	
470	5^{8}	26^{762}		-21^{1} / 40^{7}	-20^{9} / 9	-20^{9}	-20^{9} / 9	-21^{0} / 40^{5}	
+50	5^{9}	26^{768}	0.019047	-20^{9} / 40^{4}	-20^{7} / 9	-20^{8}	-20^{8} / 9	-20^{7} / 40^{1}	
469	6^{3}	26^{774}		-20^{3} / 39^{5}	-20^{2} / 9	-20^{5}	-20^{4} / 9	-20^{2} / 39^{3}	
+50	6^{9}	26^{780}		-20^{0} / 39	-19^{8} / 9	-19^{9}	-20^{0} / 9	-19^{6} / 38^{4}	
468	7^{4}	26^{786}		-19^{6} / 38^{4}	-19^{2} / 9	-19^{4}	-19^{2} / 9	-19^{0} / 37^{5}	
+50	7^{6}	26^{792}		-19^{3} / 38	-19^{8} / 9	-19^{3}	-18^{5} / 9	-18^{4} / 36^{6}	
							467+90 End of grade.		
							467+25. Toe of dump 5/20/01		
467	8^{5}	26^{798}		-18^{8} / 37^{2}	-18^{3} / 9	-18^{3}	-18^{4} / 9	-18^{3} / 36^{5}	

Sta.	Elev.	Grade	Lt.	℄	Rt.
476 + 20	7.4	26.688	-20.4 / 39.8	-19.6 / 9	-19.3 / -19.2 / 9	-19.7 / 38.6

B.M. No 28 Spike in tree opp. Sta E475+90 Elev. 9.927 (9.774)

+90	6.3	26.691	-20.4 / 39.6	-19.6 / 9	-20.1 / -19.7 / 9	-19.1 / 37.1
+60	6.3	26.695	-20.6 / 39.2	-20.2 / 9	-20.4	-20.1 / 9	-20.1 / 39.2
+30	6.4	26.698	-20.5 / 39.8	-20.7 / 9	-20.3	-20.5 / 9	-20.3 / 39.3



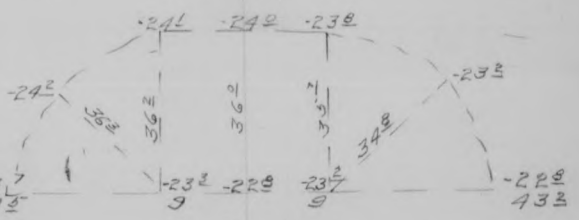
475	5.9	26.702	-20.8 / 40.2	-20.7 / 9	-20.8	-20.6 / 9	-20.3 / 39.5
+50	5.3	26.708	-20.3 / 40.1	-20.2 / 9	-20.3	-20.2 / 9	-20.5 / 39.8
474	6.1	26.714	-21.0 / 40.5	-21.0 / 9	-20.6	-20.6 / 9	-20.7 / 40.1
+50	5.7	26.720	-21.4 / 41.4	-21.0 / 9	-21.0	-21.2 / 9	-20.9 / 40.1
473	5.4	26.726	-21.3 / 41	-21.0 / 9	-21.3	-21.3 / 9	-21.0 / 40.5
+50	5.3	26.732	-21.2 / 40.8	-21.3 / 9	-21.4	-21.3 / 9	-21.1 / 40.7
472	5.4	26.738	-21.3 / 41	-21.3 / 9	-21.3	-21.3 / 9	-21.3 / 41

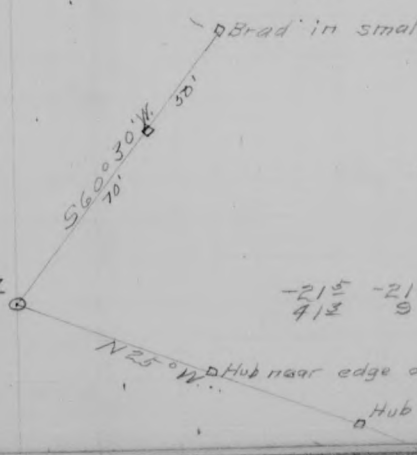
Sta.	Elev.	Grade	Lt.		℄	Rt.	
480 +20	6.1	26.640	-21.0 / 40.5	-20.6 / 9	-20.5	-20.5 / 9	-19.7 / 38.6
+90	6.2	26.644	-20.7 / 40.1	-20.7 / 9	-20.4	-20.1 / 9	-19.3 / 38.0
+60	6.3	26.648	-20.7 / 40.1	-20.5 / 9	-20.3	-20.0 / 9	-19.5 / 38.3
+30	6.5	26.651	-21.1 / 40.7	-20.5 / 9	-20.2	-19.7 / 9	-19.5 / 38.3
479	6.5	26.655	-21.4 / 41.1	-20.6 / 9	-20.2	-19.7 / 9	-19.5 / 38.3
+30	6.8	26.661	-20.4 / 39.6	-20.0 / 9	-19.8	-20.0 / 9	-19.3 / 38
478	7.2	26.667	-19.8 / 38.7	-19.4 / 9	-19.5	-19.2 / 9	-18.6 / 36.9
+30	7.3	26.673	-20.1 / 39.2	-19.4 / 9	-19.4	-19.2 / 9	-19.0 / 37.4
477	7.3	26.678	-20.0 / 39.0	-19.7 / 9	-19.5	-19.2 / 9	-18.8 / 37.0
476+30	7.4	26.684	-19.8 / 38.7	-19.0 / 9	-19.3	-19.0 / 9	-18.6 / 36.2

- 0.0119047

Sta.	Elev.	Grade		Lt.		℄		Rt.
483	2^{0}	26^{607}		-24^{6} / 45^{2}	-24^{6} / 9	-24^{6}	-24^{3} / 9	-24^{2} / 45^{2}
+50	2^{5}	26^{613}		-24^{1} / 45^{6}	-24^{2} / 9	-24^{1}	-23^{9} / 9	-23^{9} / 44^{9}
482	3^{8}	26^{619}	0119047	-23^{7} / 44^{5}	-23^{3} / 9	-22^{8}	-23^{5} / 9	-22^{8} / 43^{2}
+50	4^{3}	26^{625}	-0	-22^{5} / 42^{8}	-22^{5} / 9	-22^{4}	-22^{4} / 9	-22^{2} / 42^{3}
481	4^{9}	26^{631}		-22^{0} / 42^{0}	-21^{8} / 9	-21^{7}	-21^{7} / 9	-21^{4} / 41^{1}
480+50	5^{7}	26^{637}		-21^{5} / 41^{3}	-21^{0} / 9	-20^{9}	-20^{8} / 9	-20^{6} / 39^{9}

Bent #91 of 13 Bent Pile Opening.





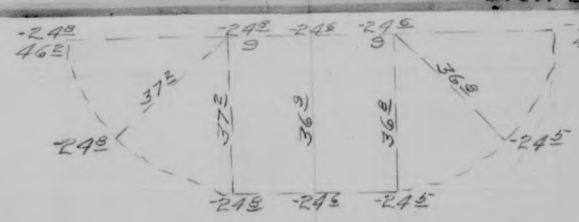
1420

Sta.	Elev.	Grade	Lt.		℄		Rt.
+50	2.1	26.578	-24.6 / 45.9	-24.1 / 9	-24.5	-24.9 / 9	-24.5 / 45.8
485	2.0	26.583	-24.7 / 46.1	-24.1 / 9	-24.6	-24.8 / 9	-24.6 / 45.9
+84.5 C.C.	2.0	26.585	-24.7 / 46.1	-24.1 / 9	-24.6	-24.7 / 9	-24.6 / 45.9
+54.5	2.0	26.589	-24.8 / 46.2	-24.1 / 9	-24.6	-24.8 / 9	-24.5 / 45.8
484+24.5	2.2	26.592	-24.8 / 46.2	-24.5 / 9	-24.1	-24.8 / 9	-24.1 / 45.6

Vertical curve: 300' Lt. 17.00'; 0.19047

B.M.- Nail in Root of Cottonwood Tree 300' Rt. 483+95 Elev. 8.681

Sta.	Elev.	Grade	Lt.		℄		Rt.
+94 E.B.	2.0	26.596	-24.8 / 46.21	-24.8 / 9	-24.8	-24.6 / 9	-24.1 / 45.6
+79			-24.8 / 46.2	-24.7 / 9	-24.6	-24.5 / 9	-24.3 / 45.5
+64.5	2.0	26.599	-24.8 / 46.2	-24.7 / 9	-24.6	-24.5 / 9	-24.3 / 45.5
483+34.5	2.1	26.603	-24.9 / 46.1	-24.7 / 9	-24.5	-24.4 / 9	-24.3 / 45.5



Bent No 12 of 13 bent pile opening.

T.C. 13°11'
S.T. 295-22

Hb. near 2nd fence.

S. 62°43' W.

Hb. by Cor. Post 1st fence

B.C. Taper 1.

Hb. near Fence Post

S. 43°43' W.

Hb. near edge of willows.

Sta.	Elev.	Grade.	Lt.		℄		Rt.
+50	2^{7}	26^{530}	-23^{7}_{46}	-23^{8}_{9}	-23^{8}	-23^{8}_{9}	-24^{0}_{45}
489+24 E.C.	2^{3}	26^{533}	-24^{3}_{45}	-24^{2}_{9}	-24^{2}	-24^{0}_{9}	-24^{0}_{45}
+94	2^{4}	26^{537}	-24^{2}_{45}	-24^{2}_{9}	-24^{1}	-24^{1}_{9}	-24^{1}_{45}
+64	2^{5}	26^{541}	-24^{2}_{45}	-24^{2}_{9}	-24^{0}	-24^{3}_{9}	-24^{4}_{45}
+34	2^{0}	26^{545}	-24^{1}_{45}	-24^{2}_{9}	-24^{5}	-24^{4}_{9}	-24^{3}_{45}
488+04	2^{1}	26^{548}	-24^{2}_{45}	-24^{2}_{9}	-24^{4}	-24^{5}_{9}	-24^{5}_{45}
+74 10 C.C. T.I.	2^{3}	26^{552}	-24^{4}_{45}	-24^{3}_{9}	-24^{3}	-24^{7}_{9}	-24^{4}_{45}
+50	2^{1}	26^{554}	-24^{2}_{45}	-24^{2}_{9}	-24^{5}	-24^{6}_{9}	-24^{5}_{45}
487	2^{2}	26^{560}	-24^{3}_{45}	-24^{4}_{9}	-24^{4}	-24^{7}_{9}	-24^{5}_{45}
+50	2^{3}	26^{566}	-24^{3}_{45}	-24^{1}_{9}	-24^{3}	-24^{5}_{9}	-24^{5}_{45}
486	2^{2}	26^{572}	-24^{5}_{45}	-24^{3}_{9}	-24^{4}	-24^{7}_{9}	-24^{4}_{45}

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1422

Sta.	Elev.	Grade	Lt.		℄		Rt.
494	3.8	26.476	-22.4 / 42.6	-22.5 / 9	-22.7	-22.6 / 9	-23.2 / 43.5
+50	3.8	26.482	-22.3 / 42.5	-22.6 / 9	-22.7	-22.6 / 9	-22.8 / 43.2
493	3.5	26.488	-22.7 / 43.1	-23.0 / 9	-23.0	-23.0 / 9	-23.1 / 43.1
+50	3.1	26.494	-22.8 / 43.2	-22.8 / 9	-23.1	-23.0 / 9	-23.4 / 44.1
+40			-23.2 / 43.8	-23.4 / 9	-23.5	-23.5 / 9	-23.4 / 44.1
492.	3.0	26.500	-23.4 / 44.1	-23.6 / 9	-23.6	-23.6 / 9	-23.6 / 44.1
+50	2.9	26.506	-23.2 / 43.8	-23.6 / 9	-23.6	-23.6 / 9	-23.7 / 44.6
491	3.0	26.512	-22.8 / 43.2	-23.6 / 9	-23.5	-24.1 / 9	-23.6 / 44.1
+50	2.8	26.518	-23.2 / 43.8	-23.6 / 9	-23.7	-23.7 / 9	-23.6 / 44.1
			T.P. 16.467 on peg 25' Rt. of 490				
490	2.8	26.524	-23.7 / 44.6	-23.7 / 9	-23.7	-23.7 / 9	-23.7 / 44.6

0.19047

-0.

Sta.	Elev.	Grade		Lt.		℄		Rt.
+25				-23.1 / 43.1	-22.5 / 9	-23.1	-23.1 / 9	-23.3 / 44.0
498	3.8	26.429		3.5 / -22.9 / 43.4	3.8 / -22.6 / 9	3.8 / 22.6	3.4 / -23.0 / 9	3.4 / -23.0 / 43.5
+50	3.8	26.435		-22.9 / 43.4	-22.6 / 9	-22.6	-22.7 / 9	-23.1 / 43.7
497	3.1	26.441		3.1 / -23.3 / 44.0	3.1 / -23.3 / 9	3.1 / -23.3	3.1 / -23.3 / 9	2.9 / -23.5 / 44.3
+50	3.0	26.447	-0.119047	-23.1 / 43.7	-23.5 / 9	-23.4	-23.3 / 9	-23.5 / 44.3
496	2.8	26.453	-0.	3.5 / -23.0 / 43.5	3.0 / -23.5 / 9	2.8 / -23.7	3.0 / -23.5 / 9	3.0 / -23.5 / 44.3
+60				-22.4 / 42.6	-23.5 / 9	-23.7	-23.7 / 9	-23.6 / 44.4
+50	3.5	26.459		-22.4 / 42.6	-22.8 / 9	-23.0	-23.6 / 9	-24.0 / 45.0
495	3.8	26.464		-22.6 / 42.8	-22.6 / 9	-22.7	-22.9 / 9	-23.5 / 43.8
494+50	3.8	26.470		-23.3 / 44.0	-23.3 / 9	-22.7	-22.8 / 9	-23.0 / 43.5

Sta.	Elev.	Grade.	Lt.	℄	Rt.
502	-6^{2}	26^{381}	-2^{3} -3^{7} -2^{5} -6^{2} -4^{3} -6^{5} -7^{0} -7^{3} -28^{7} -30^{1} -28^{9} -32^{6} -30^{7} -32^{9} -33^{4} -33^{7} 52^{1} 20 9 9 20 30 59^{6}		
+50	-2^{8}	26^{387}	3^{9} 3^{7} 0^{7} -0^{5} -2^{8} -5^{3} -4^{8} -6^{9} -22^{5} -22^{1} -25^{1} -26^{9} -29^{3} -31^{7} -31^{2} -33^{3} 42^{8} 30 25 9 9 30 59^{0}		
+30			-22^{7} -23^{1} -22^{7} -27^{5} -32^{9} -33^{3} 43^{1} 9 9 25 59^{0}		
+05			-23^{1} -22^{7} -25^{2} -28^{9} -31^{7} 43^{7} 9 20 56^{6}		
501	3^{5}	26^{393}	3^{3} 3^{9} 3^{8} 3^{7} -0^{5} -2^{5} -5^{5} -5^{3} -23^{1} -22^{5} -22^{6} -25^{1} -26^{3} -28^{8} -31^{3} -31^{7} 43^{7} 9 9 14^{0} 20^{0} 46^{0} 56^{6}		
+50	3^{4}	26^{399}	-23^{1} -23^{0} -23^{0} -23^{0} -23^{0} -28^{0} 43^{7} 9 9 40 51^{0}		
500	3^{8}	26^{405}	3^{7} 3^{5} 3^{8} 3^{8} 3^{5} -22^{7} -22^{8} -22^{6} -22^{6} -22^{9} 43^{1} 9 9 43^{1}		
+50	3^{8}	26^{411}	-22^{7} -22^{6} -22^{6} -22^{7} -23^{3} 43^{1} 9 9 44^{0}		
			T.P. 18. ^{960} 20' Rt. 499 on P/19. 2^{3} 2^{1} 2^{5} 3^{1} 3^{1}		
499	2^{8}	26^{417}	-23^{5} -23^{1} -23^{6} -23^{3} -23^{3} 44^{3} 9 9 44^{0}		
498+50	3^{0}	26^{428}	-23^{3} -23^{5} -23^{4} -23^{4} -23^{4} 44^{0} 9 9 44^{1}		

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1425

Sta.	Elev.	Grade	Lt.	℄	Rt.

Copied on pages 55-67, from Miscellaneous Notes No 2, or Office No 14, Back of Book. Oct. 19, 1911. E.B.L.

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Continued in Miscellaneous Cross Sections Book that contains Final Cross Sections, Soundings, Sta. E" 504 to Sta. E" 618

page 38

504	21^{0}	26^{367}	13^{2}	17^{1}	21^{2}	20^{2}	17^{3}			
			-13^{2}	-8^{7}	-5^{4}	-6^{4}	-8^{5}			
			28^{8}	9		9	21^{9}			
+50	12^{4}	26^{363}	-5^{8}	-6^{4}	3^{7}	10^{3}	12^{1}	13^{3}	16^{7}	
			-32^{2}	-32^{8}	-22^{7}	-16^{2}	-14^{0}	-13^{1}	-9^{7}	
			57^{3}	45	37^{0}	9		9	23^{6}	
503	-1^{3}	26^{369}	-6^{8}	-7^{3}	-7^{5}	-1^{3}	3^{7}	5^{1}	7^{0}	8^{5}	10^{5}
			-33^{2}	-33^{7}	-33^{9}	-27^{7}	-22^{7}	-20^{5}	-19^{1}	-17^{9}	-15^{9}
			58^{5}	30	9		5	9	11	16	32^{9}
502+50	-7^{7}	26^{375}	-6^{3}	-8^{3}	-8^{5}	-7^{7}	-9^{1}	-9^{5}	-0^{3}	
			-32^{7}	-34^{7}	-34^{9}	-34^{1}	-35^{5}	-35^{9}	-26^{7}	
			58^{1}	20	9		9	35	49^{1}	

Topography of River Levee May 20/09

Sta. 450 – 457

68.

Sta.

457 . 217' 241' 260'

456 . 187' 213' 231'

455 . 157' 180' 205'

454 . 127' 147' 164'

453 . 102' 123' 146'

452 . 79' 103' 125'

451 . 70' 89' 111'

450 . 73' 94'

Toe Crib Crest

Toe Crib Crest Levee

Sec. 10

River

CENTER Sec. Southern

14271